

TITLE OF INVENTION

COMPOSITIONS WITH POLYMERS FOR ADVANCED MATERTIALS

ABSTRACT

5 A composition comprising: a polymer with a glass transition
temperature greater than 250°C and a water absorption of 2% or less; one
or more metals or metal compounds; and an organic solvent. The polymer
can optionally include sites that can crosslink with one or more
crosslinking agents. The compositions can be used to produce electronic
10 components such as resistors, discrete or planar capacitors, conductive
adhesives and electrical and thermal conductors. The invention is also
directed to a composition comprising a polymer with a glass transition
temperature greater than 250°C and a water absorption of 2% or less, and
an organic solvent. These compositions can also be used in a number of
15 electronic applications such as an encapsulant and as an integrated circuit
packaging material.